CONTENTS OF VOLUME 29

Volume 29 No. 1 July 1995

RUHAMA EVEN and DINA TIROSH / Subject-Matter Knowledge and Knowledge about Students as Sources of Teacher Presentations of the Subject Matter 1–20

JOHN BERRY and KEN HOUSTON / Students Using Posters as a Means of Communication and Assessment 21–27

EFRAIM FISCHBEIN, RUTH JEHIAM, and DORIT COHEN / The Concept of Irrational Numbers in High-School Students and Prospective Teachers 29–44

KLAUS HASEMANN and HELEN MANSFIELD / Concept Mapping in Research on Mathematical Knowledge Development: Background, Methods, Findings and Conclusions 45–72

FRANK SWETZ / To Know and to Teach: Mathematical Pedagogy from a Historical Context 73–88

Announcement 89–92

Volume 29 No. 2 September 1995

ADVANCED MATHEMATICAL THINKING

Guest Editor: Tommy Dreyfus

Guest Editorial 93–95

DAVID PIMM / The Advance Party 97–122

JOHN SELDEN and ANNIE SELDEN / Unpacking the Logic of Mathematical Statements 123–151

URI LERON, ORIT HAZZAN and RINA ZAZKIS / Learning Group Isomorphism: A Crossroads of Many Concepts 153–174

Educational Studies in Mathematics **29**: 375–376, 1995.

JEAN-LUC DORIER / Meta Level in the Teaching of Unifying and Generalizing Concepts in Mathematics 175–197

RENUKA VITHAL, IBEN CHRISTIANSEN and OLE SKOVSMOSE / Project Work in University Mathematics Education. A Danish Experience: Aalborg University 199–223

Volume 29 No. 3 October 1995

T.A. TRIADAFILLIDIS / Circumventing Visual Limitations in Teaching the Geometry of Shapes 225–235

ALISTAIR McINTOSH, NOBUHIKO NOHDA, BARBARA J. REYS AND ROBERT E. REYS / Mental Computation Performance in Australia, Japan and the United States 237–258

BARUCH SCHWARZ and TOMMY DREYFUS / New Actions upon Old Objects: A New Ontological Perspective on Functions 259–291

Book Review

Guershon Harel and Jere Confrey (eds.), *The Development of Multiplicative Reasoning in the Learning of Mathematics* (T. NUNES) 293–294

Erratum

Siegbert Schmidt and Werner Weiser, 'Semantic structures of one-step word problems, involving multiplication or division', *Educational Studies in Mathematics* **28**: 55–72, 1995 295

Volume 29 No. 4 December 1995

WILLI DÖRFLER / Editorial iii

F.K.S. LEUNG / The Mathematics Classroom in Beijing, Hong Kong and London 297–325

TIM ROWLAND / Hedges in Mathematics Talk: Linguistic Pointers to Uncertainty 327–353

ERICH CH. WITTMANN / Mathematics Education as a 'Design Science' 355–374

Volume Contents 375–376